Power Saving Mode

i-CAN™ 1110SH

By ADB – Advanced Digital Broadcast

tivùsat

Digital Interactive Satellite Receiver

USER MANUAL

mhp HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

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Safety First

Removing the decoder's cover may lead to a severe & potentially fatal electric shock.

This digital decoder has been manufactured to meet international safety standards. However, safety precautions must be followed to ensure the safe and reliable operation of the decoder.

Please take note of the following guidelines to avoid the risk of an electric shock.

- This decoder operates with an external power supply in the range of 100 to 240V AC, 50/60 Hz. Use a standard AC wall outlet; a DC power source cannot be used. Remember that contact with a 110-240 Volt AC power supply can be lethal.
- Ensure that all electrical connections are properly made before connecting the decoder to the power supply (the mains). Always unplug the decoder (from the mains) before connecting or disconnecting any cables.
- Whenever you connect the decoder to the power supply (the mains), always connect the power lead to the power input connector on the back panel of the decoder before you connect the power brick to the wall socket (outlet).
- Whenever you disconnect the decoder from the power supply, always remove the power brick from the wall socket (outlet) before you remove the other end of the lead from the power input connector on the back panel of the decoder.
- Never attempt to repair or reconstruct the decoder yourself. A serious electric shock may occur if this decoder is repaired, disassembled or reconstructed by an unauthorized person.
- Be extremely careful if this unit comes into contact with water. Immediately disconnect the power brick if possible.

DO

- ✓ If anything falls into the cabinet, unplug the decoder and have it checked by a qualified technician.
- ✓ Allow adequate air circulation to prevent internal heat build-up. Do not place the unit next to a radiator or any heat source and make sure that the air vents are not covered.

DO NOT

- × Do not expose the decoder to extreme temperatures, direct sunlight or high humidity.
- × Do not place any objects on top of the decoder which restrict air circulation.
- × Do not place the decoder on fabric furnishings, carpets or other flammable materials.

Incorrect installation of the splitter may cause damage to the connected devices.

When installing the splitter, follow the instructions on page 9.

Maintenance

If you wish to clean your decoder, first unplug it from the mains. To clean the decoder, use a soft, dry cloth. For very dirty surfaces, dip a soft cloth in a weak soap-and-water solution and wring well. After cleaning, wipe with a soft, dry cloth.

Never use alcohol, paint thinner, or a chemically treated cloth to clean this unit. Such chemicals may damage the unit's finishing.

Contents

Safety First 3
Maintenance 3
Introduction 6
About This Manual 6
About Your Decoder (Set-Top Box) 6
Your Decoder 7
Unpacking Your Digital Decoder 7
Overall Look 7
Back Panel 8
Connectivity Diagram 8
Connecting the decoder to your Home Cinema System 8
Signal Splitter Installation 9
Smart Card 10
Looking After Your Smart Card 10
Remote Control 11
How to Set up Your Decoder 13
TV Screen Format 14
Using Your Decoder 15
Turning Your Decoder On / Off 15
Basic Rule "Point & Select" 15
Selecting Channels 15
Channel Banner 16
Browsing through Channels and Programs in the Channel Banner 16
Extended Information About Programs 18
Channel List 18
Options Menu 19
Audio Language 19
Subtitle Language 19
Teletext Language 19
Display Format 19
Video Resolution 19
Running Interactive Applications 20
Locked Channels and Programs 21
Main Menu 22
Main Menu Structure 22
Short overview of the basic functions of the Main Menu submenus 23
Viewer Planner 23
Setting a Timer 25
Setting a Reminder 25

Channel Manager 27
Add Channels 27
Delete Channels 28
Move Channels 28
Skip Channels 29
Hide Channels 30
Restore Channels 30
Rename Channels 31
Lock Channels 32
List Organization 33
For Parents 34
Receiver Lock 34
Parental Level 35
Change PIN Code 35
Your Preferences 36
Display Options 36
Language Options 37
Installation 38
Settings 38
TV Settings 38
System Settings 39
Energy Saving Settings 39
Modem Settings 40
Modem Diagnostics 40
Signal Meter 40
Channel Search 41
Factory Reset 42
Help 42
Electronic Program Guide 43
Before Requesting Service 44
Technical Specification 46

Introduction

About This Manual

This User Manual describes the overall functionality of your decoder (set-top box). You will find here the information you need to operate your decoder and take advantage of all its features.

First, make sure that your decoder is properly connected. Then, pick up your remote control and follow the hints of this manual. Once you have learned how to operate the remote control and familiarized yourself with the main features of your decoder, you will need this manual only for occasional consultation.

Terminology in the Manual

In order to avoid misunderstanding, please bear in mind what is meant by the following terms:

a menu – refers to a window/screen which contains items available for selection,

Main Menu – refers just to the window (menu) and its content (including submenus), which is displayed after pressing the

button,

submenu – describes any menu that is opened from another one,

window, screen – used interchangeably.

About Your Decoder (Set-Top Box)

Your decoder will allow you to do the following:

- prevent your children from viewing unsuitable programs,
- display additional information about a selected program,
- use interactive applications,
- create lists of your favorite channels,
- set a reminder,
- and much more.

Please note that your decoder's software is being improved all the time and therefore, from time to time, software on your decoder may be updated. If you do not change the default settings of the decoder, the upgrade process will be carried out automatically. After the upgrade process is completed, you can learn about new features from the **What is New?** submenu (Main Menu – Help).

Downloading a new software version may change the previous functionality of the decoder and at the same time some information provided in this manual may become outdated.

Please note that if you want to have the most up-to-date software version and updated channel lists on your decoder, it is advisable that you switch the decoder to standby mode when you are not using it.

Your decoder also looks for software upgrade when booting up.

Your Decoder

Unpacking Your Digital Decoder

As you unpack your digital decoder, please make sure that the following accessories are included:

Decoder

Remote Control

Power Brick

F-type Cable

Telephone Cable

Batteries

Signal Splitter*

Getting Started

* Please note that when two receivers are connected to the satellite dish by means of the signal splitter, only one of these decoders can be in use.

If any parts are missing, please contact your vendor.

Overall Look

LED Indicator:

Green – operating mode

Red – in standby, low power consumption

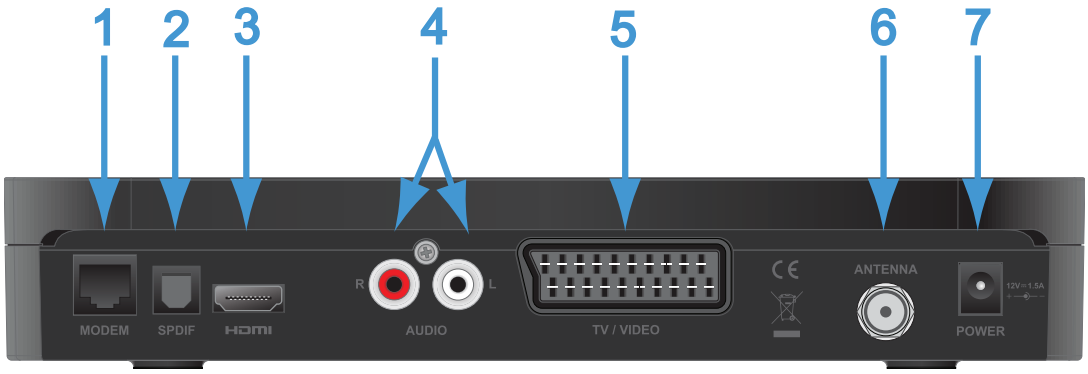
The LED indicator blinks when your decoder is receiving signals from the remote control.

Smart Card Slot: Smart Card allows you to view scrambled TV channels. Gently push the card into the slot. Its chip should face downwards and the symbol of an arrow should face inwards.

Two Nagra Smart Cards (e.g. Mediaset and Pangea) cannot be used at the same time.

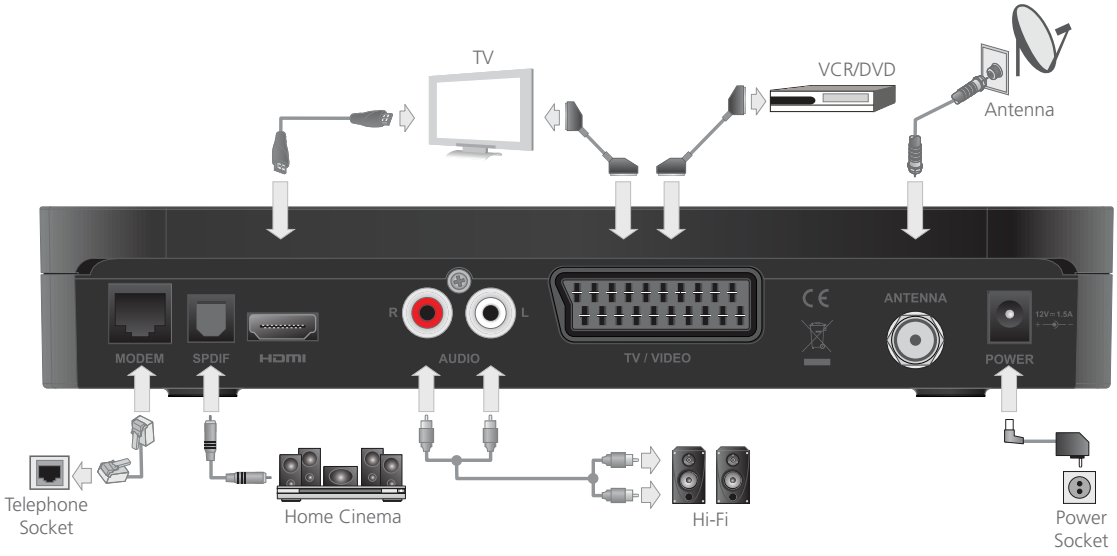
If you are using two Cards, it does not matter to which slot you place a Card first. If you are using just one Card, it also does not matter which slot you use.

Back Panel



1. RJ-11 input (V.90 Modem port)
2. S/PDIF output
3. HDMI™ output
4. 2xRCA (audio stereo)
5. TV SCART output
6. Antenna input
7. DC Input from external power supply

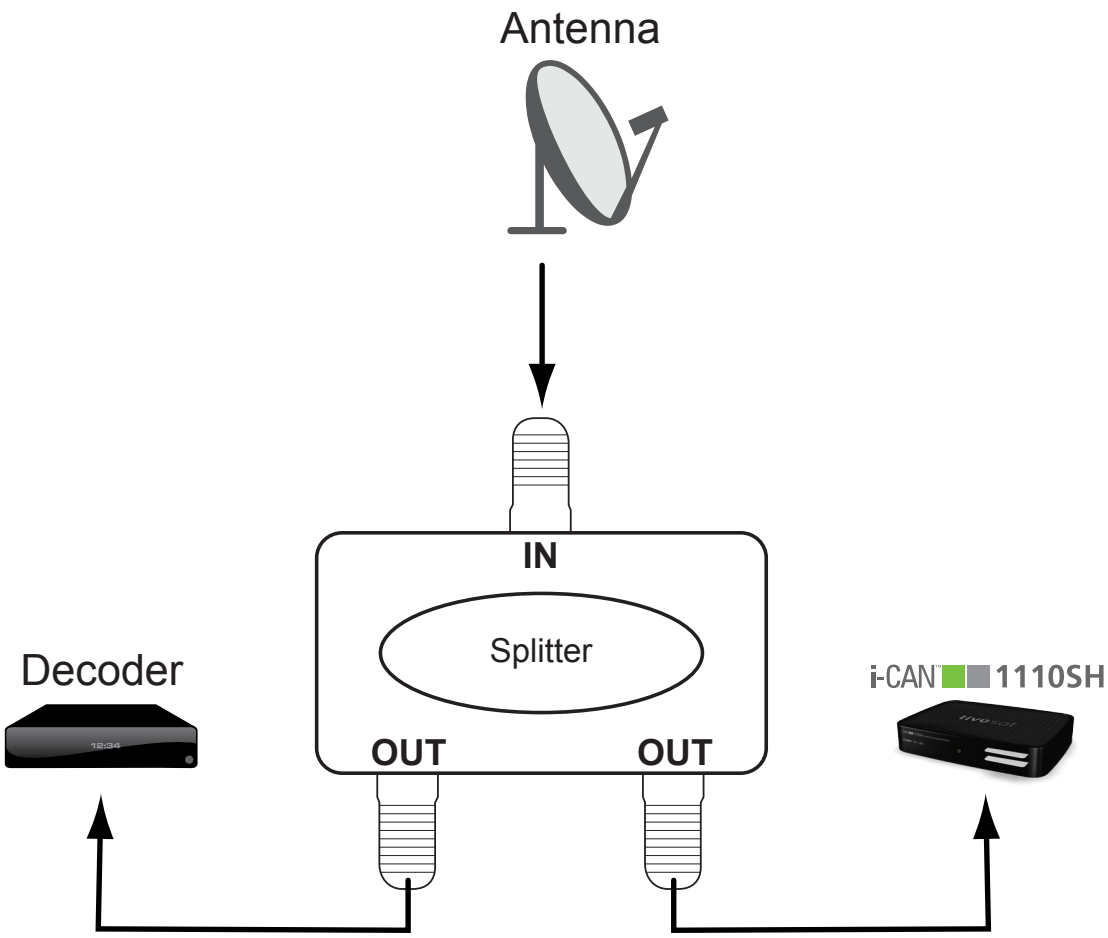
Connectivity Diagram



Connecting the decoder to your Home Cinema System

If you want to enjoy the surround sound broadcast, connect the decoder and your Home Cinema system via an S/PDIF cable and change the **Dolby Digital** option (Main Menu – Installation – Settings – System Settings) to **Yes**.

Signal Splitter Installation



If you want to connect two decoders to the same antenna cable, use the signal splitter.

Please use **ONLY** the signal splitter supplied with this decoder. Using other signal splitters may damage the connected decoders and thus you are using other signal splitters on your own responsibility. In such a case, please be sure to use a splitter equipped with built-in protection

Please pay special attention when installing the signal splitter. The antenna cable has to be connected to the "IN" jack of the splitter and decoders have to be connected to the splitter using ONLY "OUT" jacks. Installing the signal splitter in any other way may cause damage to the connected devices.

Never can a decoder be connected to the splitter by means of the "IN" jack!

Please note that when two receivers are connected to the antenna cable with the signal splitter, only one device can be used at a time. If you are not able to use your receiver despite having the second one turned off, please try unplugging the power cable of the second receiver.

Smart Card

Smart Card allows you to view scrambled channels. Gently push the card into the slot. The chip should face downwards and the arrow symbol should face inwards.

Without a Smart Card, you can view free-to-air channels.

If you have more questions about the card functioning, contact your service provider.

Looking After Your Smart Card

The card is fragile, so bear in mind the following precautions:

- Do not bend or twist the card
- Do not expose the card to heat or direct sunlight
- After inserting the card, leave it in the slot permanently
- Clean only with a soft dry cloth

Remote Control

Button	Action
	Switches the decoder between standby and operating modes (turns the decoder on and off).
	Allow you to tune to a desired channel, select menu items and enter the PIN code (the default PIN code is 1234).
	Mutes the sound. Pressing this button once again restores the previously set volume level.
	Displays the **Options** menu where you can change audio, subtitle and teletext language as well as display format and video resolution. You can change an option only if its alternatives are broadcast with a particular program.
	Adjust the volume.
	Tune to the next/previous channel. In some menus, they scroll pages up and down.
	Displays and hides the **Main Menu** where you can change different settings of your decoder.
	Displays and hides the window with the currently selected channel list. In this window, you can change channel lists and tune to a desired channel.
	This button is inactive.
	Displays the **Electronic Program Guide**.
	Switches between the **Channel Banner**, **Channel Banner** with **Extended Information** and viewing mode in a circular manner.
	In the **Channel Banner**, they browse through channels. In different menus, they shift highlight. When up/down shifting is possible, there are icons displayed.
	In the **Channel Banner**, they switch between the current and next program information. In different screens, they highlight items or change values. When left/right shifting is possible, there are the icons displayed.
	In the **Channel Banner**, if the icon is displayed, it tunes to the channel which name is displayed or sets a **Reminder** when the information about the next program is displayed. In different menus and screens, it selects the currently highlighted item or confirms your choices.
	In viewing mode, it alternates between the current and previous channel within the same **Channel List**. In different screens, it returns to the previous screen.
	Returns to normal viewing.

	Navigate through external applications. They are also used to perform a few additional functions in some screens.
APP	Displays and hides the **Applications** window.
TXT	Dispalays Teletext and is also used by some external applications.
TV/♪	Switches your decoder between the TV and Radio modes.
DISP	Displays the **Options** menu, which allows to change the **Video Resolution**.

How to Set up Your Decoder

Once you have connected you decoder properly and plugged it to the mains, the LED indicator on the front panel will light up. Then, after several seconds the **Welcome Screen** will be displayed on your TV screen. Wait until the **Welcome Screen** disappears and the **Language Selection** screen appears.

Note: If you do not select the below items yourself, after 10 seconds, the decoder selects the highlighted item itself and goes to the next step (screen).

Welcome Screen

Language Selection

The **Language Selection** screen allows you to select the language for any information displayed on the screen.

Press ▼ or ▲ to highlight the on-screen language and press OK to make your selection.

Afterwards, the confirmation screen will appear. Press OK to confirm your choice of the language.

The language selected in this window is also automatically assigned as the language of **Primary Audio**, **Primary Subtitles** and **Teletext Language**. Please note that you can also change the on-screen language in the **Language Options** screen (**Main Menu** → **Your Preferences**).

Language Selection

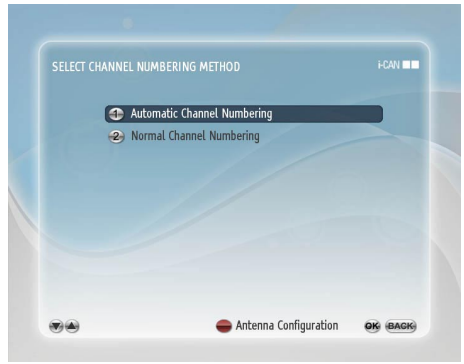
Channel Numbering Method

In the **Select Channel Numbering Method** screen you can choose the way channels are organized. Press ▼ or ▲ to highlight the channel numbering method and press OK.

If you choose **Automatic Channel Numbering**, the channels will be organized as the broadcaster ordered them (usually thematically).

If you choose **Normal Channel Numbering**, the channels will be numbered in the order that they are found during the Channel Search process.

If you want to change the default antenna configuration settings, press the ●, button to open the **Antenna Configuration** screen. When changing the settings, please remember that at least one LNB must be assigned to Hotbird Satellite.

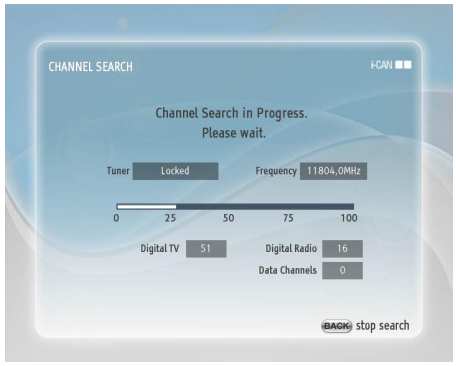


Channel Search

Channel Search

After you have selected the numbering method and pressed OK the channel search will start automatically. When this procedure is completed, you will be informed about the total number of channels found. Afterwards, press the OK button to tune to the first TV channel.

If the channel searching procedure has not been completed successfully, a suitable error message will appear. Then, you can press the OK button to go back to the **Channel Numbering Method** button to enter the **Antenna Configuration** screen.

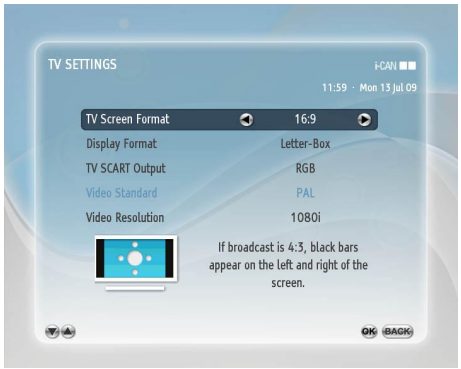


Channel Search

TV Screen Format

When you are setting up a new decoder for the first time, by default, the deocder sets **TV Screen Format** to 4:3. It means that if the screen format of your TV is 4:3, there is no need to modify **TV Screen Format** setting in the decoder's menu.

However, if the screen format of your TV is 16:9, using **"Point and Select"** rule, go to the **Main Menu**, **Installation**, **Settings**, **TV Settings** and change the **TV Screen Format** option to **16:9**.



TV Screen Format Change

Using Your Decoder

Turning Your Decoder On / Off

First, switch on the TV set and any other connected equipment. Then, switch on your decoder by pressing the or , or buttons on the remote control. When the decoder comes out of standby, the LED indicator on the front panel illuminates green and the receiver tunes to the last viewed channel.

When you are not using your decoder, put it in standby mode by pressing the button. When the decoder is in standby mode, the LED indicator on the front panel illuminates red.

Basic Rule "Point & Select"

To use your decoder successfully, you need to know and "master" the "Point and Select" rule. You will use this rule every time you go to the menus and submenus of the decoder.

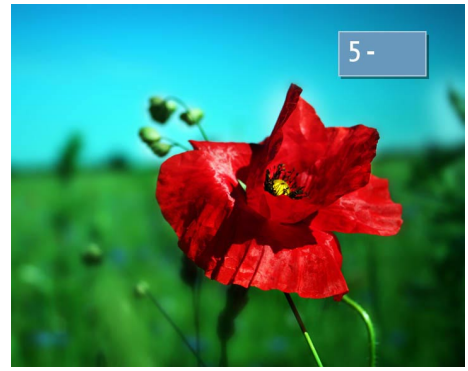
You "point" by pressing the arrow buttons on the remote control, which moves the "on-screen" highlight to different items. Once you have pointed to an item (highlighted an item) on the screen, select it by pressing the button on the remote control.

You can also press the button to go to the previous screen or to close all the windows (screens) and return to normal viewing.

Selecting Channels

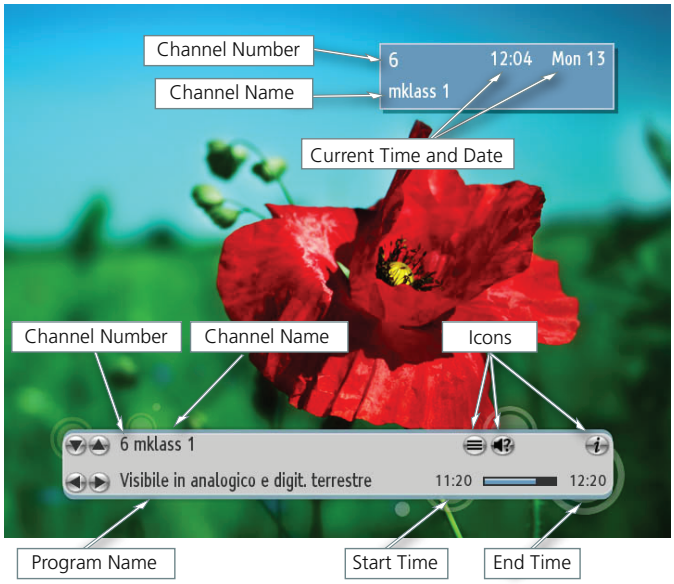
You can tune to the desired channel in a few ways:

1. Press to tune to the next channel and press to tune to the previous channel.
2. Enter the number of the desired channel using the keys. When you press a number button, the ***Channel number entry box*** appears in the upper right corner of the screen.
3. Press the button, highlight the desired channel and press to tune to this channel.
4. Press the button in order to display the **Channel Banner**. Then, browse through channels using the buttons. Press to tune to the channel which name is displayed in the **Channel Banner**.



Channel Number Entry Box

Channel Banner



Channel Banner

The **Channel Banner** appears at the bottom of the TV screen when you press the INFO button.

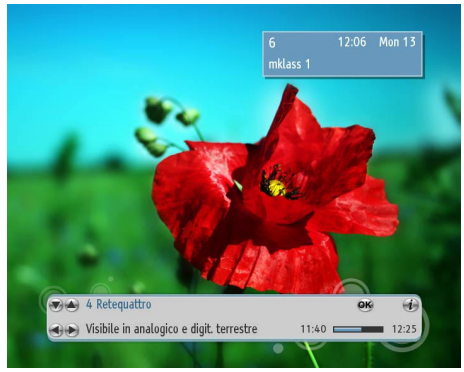
The **Channel Banner** provides you with basic information about particular channels and programs.

In the picture on the left you can see items (information) appearing within the **Channel Banner**.

Browsing through Channels and Programs in the Channel Banner

When you press INFO, the information displayed within the **Channel Banner** concerns the channel to which the decoder is currently tuned and the program presently broadcast.

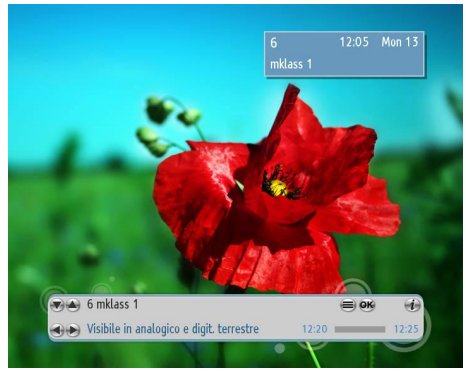
Pressing ▲ / ▼ makes the decoder enter the browsing mode. It means that the decoder stays tuned to the same channel but the information displayed within the **Channel Banner** concerns other channels. When you press ▲, the **Channel Banner** displays information concerning the next channel and when you press ▼, the **Channel Banner** displays information concerning the previous channel.



Channel Banner in Browsing Mode

When the information displayed within the **Channel Banner** concerns the current channel, the name of the channel is black. When the decoder is in the browsing mode, the name of the channel is blue and the OK icon appears in the **Channel Banner**.

When the **Channel Banner** displays the information about the current channel or is in the browsing mode, pressing either ◄ or ► displays the information about the next program. Pressing ◄ or ► once gain displays the information about the current program.



Next Program Information

Channel Banner Icons

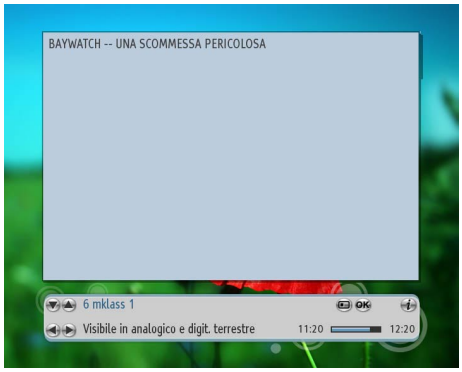
Icon	Meaning
	The current program is broadcast with more than one soundtrack. Press OPT to display the **Options** menu where you can change the audio track.
	The channel is locked. To watch this channel, enter the PIN code.
	Extended information about a particular program is available. Press INFO twice to display this information.
	If you are browsing through channels (using ▲ / ▼ buttons), pressing OK tunes to the channel to which the **Channel Banner** refers. If you have displayed information concerning the next program (by pressing ◄ / ►), pressing OK sets a **Reminder**.
	The program is broadcast with the surround sound at the moment or there is an audio track with the surround sound available. To choose the audio with the surround sound, press OPT to display the **Options** menu where you can change the soundtrack. Please note that to be able to enjoy the surround sound, you need suitable equipment and **Dolby Digita**l in **System Settings** (Main Menu - Installation - Settings) set to **Yes**.
	Recording Reminder has been set for a particular program.
	Viewing Reminder has been set for a particular program.
	The program is locked according to the parental settings defined in the **For Parents** submenu under the **Main Menu**.
	External applications are available on a particular channel. To get access to the list of the applications, press the APP button on the remote control. Use the color buttons to navigate the applications. If the **Application AutoSTART** (Main Menu – Your Preferences – Display Options) is set to **Yes**, external applications are launched automatically.
	Teletext is broadcast on the currently tuned channel.
	Subtitles are available for the current program. Press OPT to display the **Options** menu where you can choose the subtitle language.
	This channel is scrambled and you need an appropriate Smart Card to watch this channel.
	There are some unread messages in your **Message Box**.

Extended Information About Programs

The icon displayed in the **Channel Banner** informs that there is additional information about the program available.

Press the INFO button to display the **Channel Banner** and press it again to display the **Extended Information** window. If the information exceeds one page, press the INFO button for the third time to display the next page. To close the **Extended Information** window, press the INFO button again or EXIT.

The **Extended Information** window may concern the current program as well as other programs. To display information about other programs, make the decoder enter the browsing mode by pressing ▲ / ▼ buttons.



Extended Information

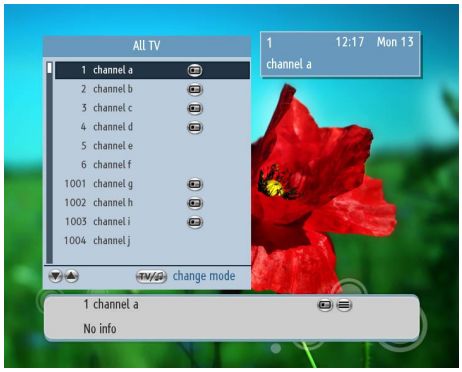
Channel List

When you set up your decoder for the first time or when the factory settings are being restored, the decoder searches for channels. When the procedure of channel search is completed, all the channels found are gathered in the **All TV** and **All Radio** lists. You can, however, create additional six TV and six Radio lists where you can group channels you watch most often.

In order to access the lists of channels (either All TV/Radio or your favorite ones), press the LIST button on the remote control. Use the TV/♪ button to switch between Radio and TV lists. If you have defined your favorite lists, you can access them by pressing the ◄ / ► buttons.

When you have displayed the desired channel list, select a channel by pressing the ▲ / ▼ or the 0–9 buttons. You can also press CH + / − to page the list up and down.

When you browse through channels, the OK icon appears in the **Channel Banner** but the decoder remains tuned to the same channel.



Channel List

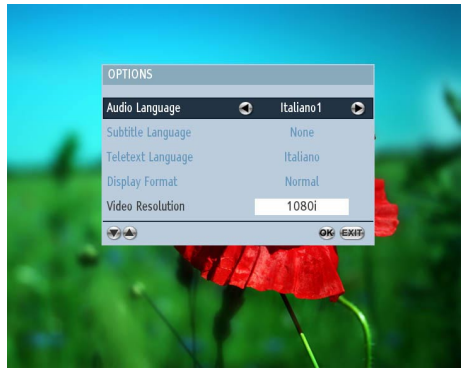
*The way of creating and editing your favorite lists is described in the **Channel Manager** and **List Organization** sections.*

When you have highlighted the desired channel, press OK to tune to this channel.

Press LIST or EXIT to leave the **Channel List** screen and return to the normal viewing mode without channel change.

Options Menu

Press the OPT button to open the **Options** menu. This menu allows you to change the **Audio Language**, **Subtitle Language**, **Teletext Language**, **Display Format** and **Video Resolution**. These options can be changed, if they are available for a particular program. Your new settings of the **Audio** and **Subtitle Language** as well as the **Display Format** take effect immediately and they are remembered until the program ends. When the program ends, the settings revert to their default values. The **Teletext Language** setting applies to the current channel (not program) and is remembered as long as the decoder is tuned to the current channel. **The Video Resolution** setting is remembered till the next resolution change.



Options Menu

In the **Options** window, use ▲ / ▼ buttons to highlight the available options and ◄ / ► to change them. Press OK to confirm your choice or EXIT to leave the **Options** menu without making any changes.

Audio Language

If available, you can select any of the audio soundtracks being broadcast. If any languages with the surround sound are available for the current program, they are marked by the symbol.

Please note that to be able to enjoy the surround sound, you need suitable equipment and **Dolby Digital** in **System Settings** (Main Menu - Installation - Settings - System Settings) set to **Yes**.

Subtitle Language

If available, you can select among different subtitle languages. If you select **Off**, no subtitles are displayed.

Teletext Language

If available, you can select among different teletext languages.

Display Format

This option is possible to be changed if your TV screen format is different than the format of the program being currently broadcast. For example, if you have a TV set with the 4:3 screen format, and a program is broadcast in the 16:9 format (or the other way round), you can adjust the display format. You can choose between the Letter-box, Pan-Scan and Full Screen display format.

Video Resolution

This option allows you to change the resolution.

Running Interactive Applications

Your receiver gives you access to interactive applications. They may be broadcast on digital channels in addition to video and audio. When there are external applications available on a channel, the APP icon is displayed in the **Channel Banner**.

The **Application AutoSTART** setting (Main Menu - Your Preferences - Display Options) affects the way external applications are launched. By default, **Application AutoSTART** is set to **Yes**. It means that on tuning to a channel with external applications, they are launched automatically. However, it may happen that, regardless of the 'autostart' setting, some applications will not start automatically (if the broadcaster do not want them to). If this is the case, press APP to open the **Applications** window and select the desired application.

If you do not want external applications to run automatically, set **Application AutoSTART** (Main Menu - Your Preferences - Display Options) to **No**.

In order to access the **Applications** window with a list of the available applications, press the APP button on your remote control. Select an application using the ▲ / ▼ buttons and confirm your selection by pressing the OK button.

Channel change does not always exit the currently running application.

If your decoder is currently running an application, it is impossible to display the **Applications** window by pressing APP. To display the **Applications** window you have to first leave the running application and then press APP. Leaving applications is performed according to rules characteristic of particular applications.

You can run one application at a time.

Remote control buttons and their actions with reference to external applications

Button	Action	**Application AutoSTART** is set to	Is an application currently running?
APP	Opens / closes the **Applications** window.	No	No
	Opens / closes the **Applications** window.	Yes	No
	Inactive.	No	Yes
	Inactive.	Yes	Yes
MENU	Displays the **Main Menu** and at the same time exits a running application.	No/Yes	Yes
	Leaves the **Main Menu** and does not restart the previously closed application.	No	
	Leaves the **Main Menu** and restarts the previously closed application.	Yes	

Locked Channels and Programs

Your decoder allows you to lock channels and/or programs that you, for example, find inappropriate for your children. 'Locking' is carried out in two ways:

- locking whole channels (in **Channel Manager**)

- setting the age limit according to which programs will be blocked (in **For Parents**)

Once you have set a blockade, you will have to enter the PIN code every time you attempt to watch a locked channel. To enter the PIN code, use the number buttons. If you do not want to unlock the channel, press BACK to tune to the previous channel or press CH to tune to another channel.

Locked Channel

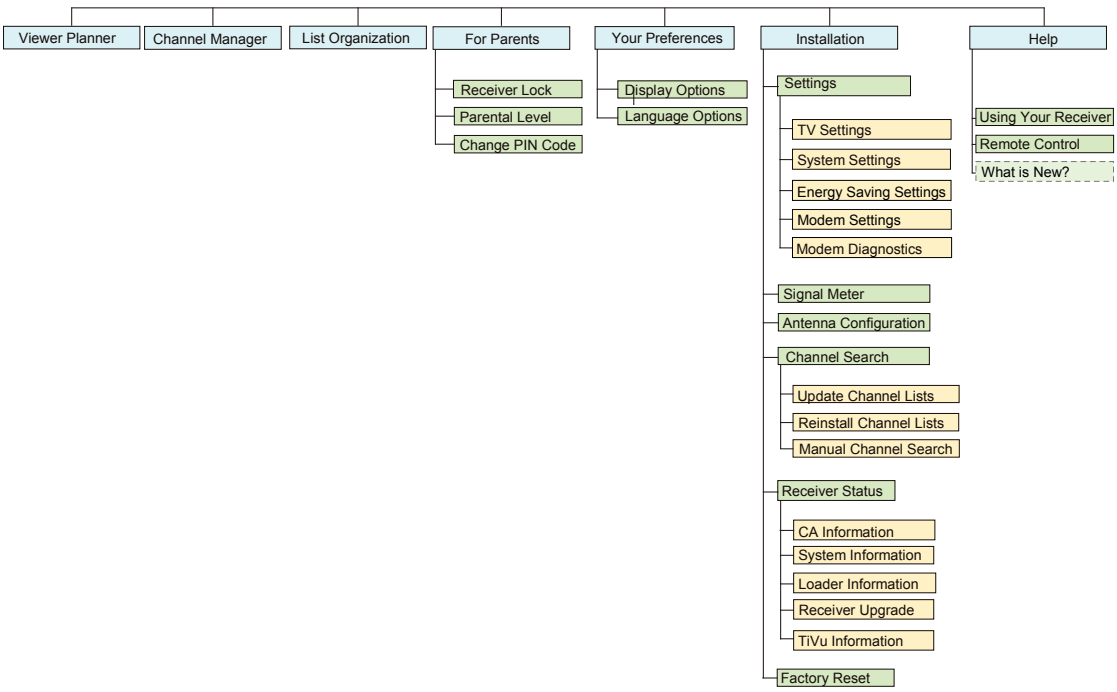
Locked channels are marked by the icon while locked programs are marked by the icon in the **Channel Banner**.

When you enter the correct PIN code, the locked channel remains unlocked as long as you are tuned to this channel. If you tune to another channel, the unlocked channel becomes locked again and you will be asked to enter the PIN code every time you try to tune to a locked channel.

The default PIN code is 1234, but you can easily change it by means of the **Change PIN Code** screen (Main Menu – For Parents).

Main Menu

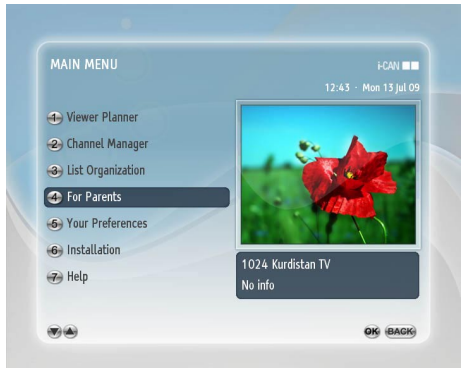
Main Menu Structure



Settings of the **Main Menu** screen allow you to modify the way your decoder operates.

To gain access to the **Main Menu** system, press the MENU button. To open a submenu, highlight the desired item using the ▲ / ▼ buttons and then press OK. To return to the **Main Menu** from one of its submenus, press the BACK button. To exit the **Main Menu** screen, press the EXIT button or the MENU button again.

Navigation within the **Main Menu** screens is carried out according to the **"Point and Select"** rule.



Main Menu Window

Short overview of the basic functions of the Main Menu submenus

Viewer Planner

Gives you access to the **Recording Timers/Reminers** and **Viewing Timers/Reminders**.

Channel Manager

Allows you to modify channels. You can, for example, rename, move or skip channels.

List Organization

Allows you to organize your favorite lists.

For Parents

Allows you to turn on and off the blockade of the decoder, set the age limit according to which programs are to be blocked and change the current PIN code.

Your Preferences

Allows you to define on-screen display as well as audio and subtitle languages.

Installation

Allows you to set up your decoder, modem, search for existing channels, check status of the decoder, and restore the factory settings.

Help

Gives you access to the information concerning the basic functions of your decoder.

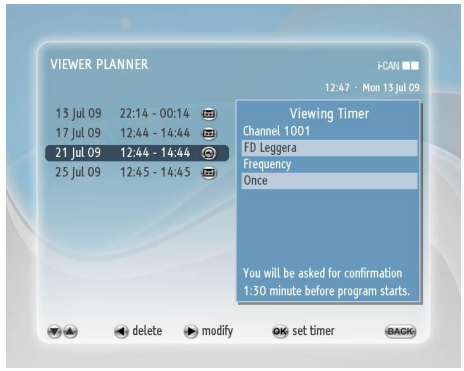
Viewer Planner

When you select **Viewer Planner** from the **Main Menu**, you get access to the list of **Timers** and **Reminders**, which have already been set.

Timers are notifications set up in order to inform you about the coming **time** during which you want to view/listen to or record the TV or Radio content.

There are two kinds of **Timers**:

- viewing – you will be informed about the coming viewing/listening time
- recording - you will be informed about the coming recording time



Viewer Planner

Reminders are notifications set up in order to inform you about the coming **programs** you want to watch/listen to or record.

*You can set up to 10 **Timers** or **Reminders**.*

There are two kinds of **Reminders**:

- viewing - you will be informed about the coming program you want to view/listen to
- recording - you will be informed about the coming program you want to record

Icons appearing in the Viewer Planner list

Icon	Description
	Viewing Timer or **Reminder**
	Recording Timer or **Reminder**
	Timer or **Reminder** which will not be performed due to time conflict or another error situation.

In the **Viewer Planner** screen you can modify or delete **Timers** and/or **Reminders**.

To modify a **Timer/Reminder**, highlight the desired **Timer/Reminder** and press the button.

If you want to delete a **Timer/Reminder**, press the button.

Comparison of Timers and Reminders

	Timer		Reminder	
Set in	**Viewer planner**		**Channel Banner** and **EPG**	
Refers to	start/end time		program	
Kinds	Viewing Recording		Viewing Recording	
List of them available to see in	**Viewer Planner**		**Viewer Planner**	
Icon visible in the list in **Viewer Planner**	Yes		Yes	
Icon visible in the **Channel Banner**	No		Yes	
Will a window with the notification appear 1,5 minutes before?	Yes		Yes	
Can I modify and delete it in the **Viewer Planner** submenu?	Yes		Yes	
When the notification window is displayed and I do not press OK to make the decoder tune to the appropriate channel, will it tune automatically?	Recording	Viewing	Recording	Viewing
	Yes	No	Yes	No

Actions of buttons in Viewer Planner

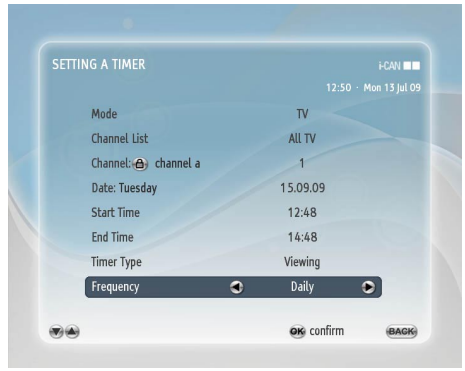
Button	Action
OK	Opens the **Setting a Timer** window.
BACK	Leaves the **Viewer Planner** and returns to the **Main Menu.**
	Move highlight to a particular **Timer** or **Reminder**.

Button	Action
	Deletes the highlighted **Timer** or **Reminder**.
	Opens the window where you can modify the highlighted **Timer** or **Reminder**.

Setting a Timer

When you are in **Viewer Planner**, press the OK button in order to open the window where you can set a **Timer**.

In the **Setting a Timer** screen you set the data concerning a particular **Timer**. The data you are asked to define are as follows:



Setting a Timer

Mode: Choose between TV and Radio.

Channel List: Choose the list which contains a channel for which you want to set a notification (**Timer**).

Channel: Choose the channel you want to view/record.

Date: Choose the date of viewing/recording. Press the + CH button to open a calendar, which can help you to set the date.

Start Time: Set the time when you want the viewing or recording to start.

End Time: Set the time when you want the viewing or recording to end.

Timer type: Choose whether you want to record (**Recording**) or view (**Viewing**) the broadcast content.

Frequency: Choose how often you want a **Timer** to take place (once, daily or weekly).

Once means that the **Timer** is defined only for one viewing or recording. Daily means that the timer is defined for each day from Monday to Friday. Weekly means that the **Timer** is set to occur once a week.

In the **Set a Timer** window, by pressing ▲ / ▼ you move the highlight to particular items, and by pressing ◄ / ► buttons you change the values of the highlighted items. For the **Channel**, **Date** and **Start/End Time** modification you can also use the number buttons on your remote control. When you set all the values, press OK.

If the **Receiver Lock** option (Main Menu – For Parents) is set to **Yes**, you will be asked to enter the PIN code every time you set a **Recording Timer**.

Setting a Reminder

You can set a **Reminder** in the **EPG** and the **Channel Banner**.

To set a **Reminder**, when you are in the **Channel Banner** (e.g. by pressing the INFO button):

1. Press either ◄ or ► to display information about the next program. When the program information concerns the next program, the OK icon appears in the **Channel Banner**.
2. Press the OK button on your remote control to display the window where you can set a **Reminder**.
3. When the **Setting a Reminder** window is displayed, press OK to set a **Viewing Reminder** or press ◄ to set a **Recording Reminder**.

You can set a **Reminder** when the **Channel Banner** displays the information about the current channel or in the browsing mode.

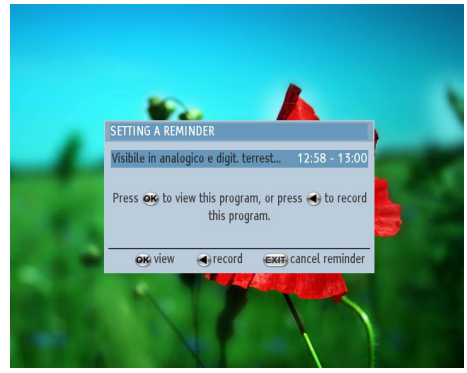
To set a **Reminder** when you are in the **EPG** (by pressing the EPG button).

1. Press either ▲ or ▼ to display information about one of next programs.
2. Press the OK button on your remote control to display the window where you can set a **Reminder**.
3. When the **Setting a Reminder** window is displayed, press OK to set a **Viewing Reminde**r or press ◄ to set a Recording Reminder.
4. If you have set a **Recording Reminder**, using ▲ / ▼ buttons to define recording frequency and press the OK button to confirm your settings.

If you want to cancel a **Reminder**, you can do it in two ways:

I

1. Display the information about the program for which the **Reminder** has been set (by pressing the ◄ / ► buttons when the **Channel Banner** is displayed).
2. Press the OK button to display the **Canceling a Reminder** window.
3. Press the OK button on your remote control to confirm the cancellation.


SETTING A REMINDER
Visibile in analogico e digit. terrest...
12:58 - 13:00
Press OK to view this program, or press ◄ to record this program.
OK view
◄ record
EXIT cancel reminder

Setting a Reminder

II

1. Open the **Viewer Planner** submenu under the **Main Menu**.
2. Highlight the **Reminder** you want to cancel/delete.
3. Press the ◄ button.
4. Press OK to confirm.

If you have set a Recording Reminder or Timer, don't forget to set your VCR as well.

To modify **Reminders**, go to **Viewer Planner** under the **Main Menu**.

If the **Receiver Lock option** (Main Menu – For Parents) is set to **Yes**, you will be asked to enter the PIN code, if the program for which you want to set a **Recording Reminder** exceeds the **Parental Level** settings or is broadcast on a locked channel.

When your decoder is in standby mode (the LED indicator on the front panel illuminates red), all the accepted **Recording Timers** and **Reminders** will be recorded.

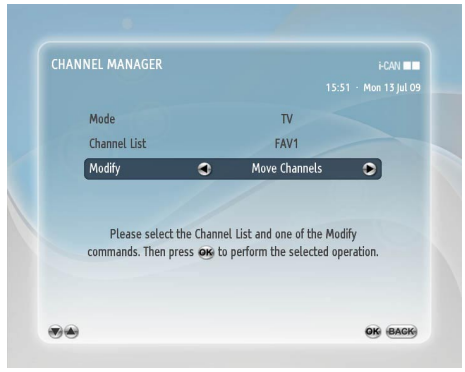
Please note that any screens displayed during recording will be recorded as well. Changing the volume level during the recording will also be audible on the recorded content.

Channel Manager

When you select **Channel Manager** from the **Main Menu**, you can define the content of individual channel lists as well as modify channels belonging to individual lists. The **Modify** option allows you to perform a number of operations relating to channels of the currently selected channel list.

Within **All TV** list you can perform operations such as: **Lock, Move, Skip, Rename, Hide** and **Restore Channels**.

Within your favorite lists you can perform operations such as: **Add, Delete, Move, Skip, Rename** and **Lock Channels**.

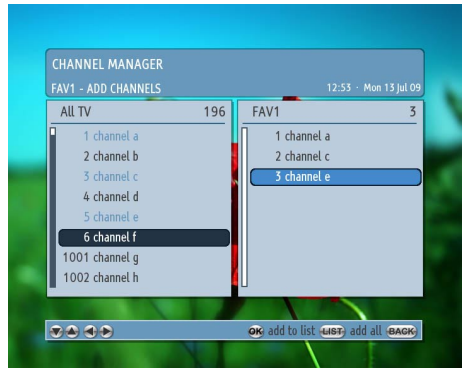


Channel Manager

Please note that when a selected list is empty, only the **Add Channels** option is active.

Add Channels

You can create up to 6 TV and up to 6 Radio lists with channels you watch most often and/or want to access easily. To add channels to your favorite lists, when you are in the **Channel Manager** menu, follow the procedure below:



Add Channels

1. Select **Mode** - **TV** if you want to add channels to your favorite TV list(s), or **Radio** if you want to add channels to your favorite Radio list(s).
2. Select the favorite list to which you want to add channels.
3. If the list already contains some channels, set the **Modify** option to **Add Channels** and press OK to open the **Add Channels** window. If the list is empty, the **Modify** option is automatically set to **Add Channels**. Press the OK button to open the **Add Channels** window.

   In the **Add Channels** window you will see two lists: **All TV** or **All Radio** channels on the left and channels of your favorite list on the right.
4. To add a channel to the favorite list, simply highlight the channel within the All TV (or Radio) list and press OK.

   The selected channel will appear on your favorite list. You can add all the channels at once by pressing the LIST button.
5. When your list is ready, press the BACK button to save it.

Delete Channels

In the **Delete Channels** submenu you can select the channels you want to delete from your favorite list(s).

In order to delete channels, follow the procedure below:

1. Set the **Mode** option to **Radio** if you want to delete channels from a favorite Radio list, or to **TV** if you want to delete channels from a favorite TV list.
2. Select the list which contains the channels you want to delete from the **Channel List** option.
3. Set the **Modify** option to **Delete Channels**.
4. Press the OK button to display the channels of the chosen list.

CHANNEL MANAGER
FAV1 - DELETE CHANNELS
12:54 · Mon 13 Jul 09
1 channel a
2 channel c
3 channel e
Press OK to confirm the delete operation or press BACK to return.

Delete Channels

5. Using the ▲ / ▼ buttons select the channel you want to delete and press the OK button. The confirmation window will appear.
6. Press the OK button to confirm your choice. You can also press the LIST button to delete all the channels from the list.
7. After you have deleted the desired channels from the list, press the BACK button to save the information.

Move Channels

You can change the order of channels within the **All TV/ Radio** and your favorite channel lists.

To move channels within **All TV** or **All Radio** list, follow the procedure below:

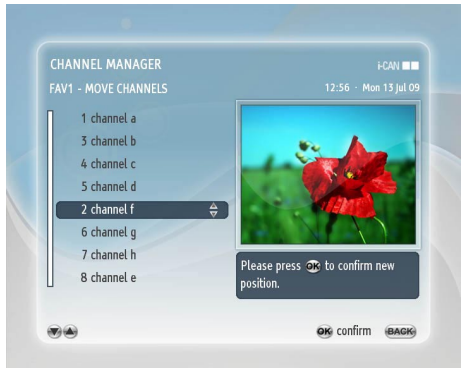
1. Set the **Mode** option to **Radio** if you want to move channels within the **All Radio** list, or **TV** if you want to move channels within **All TV** list.
2. Set the **Channel List** option to the list you want to modify (either **All TV** or **All Radio**).
3. Set the **Modify** option to **Move Channels**.
4. Press the OK button.

Move Chnnels (All TV)

5. In the **Move Channels** screen, highlight a channel you want to move using the ▲ / ▼ or number buttons.
6. Press the OK button. The channel you want to move is marked by the icon.
7. Press the ▲ / ▼ buttons until you find the position in which you want the selected channel to be placed.
8. Press the OK button to move the selected channel to the position you have just chosen.
9. Press the BACK button to save the new order and return to the **Channel Manager** screen.

Please note that the channels (the one you selected to be moved and the one placed in the position to which you want to move the selected channel) will swap places.

To move channels within your **favorite** lists, follow the procedure below:



Move Chnnels (FAV)

1. Set the **Mode** option to **Radio** if you want to move channels within favorite Radio lists, or **TV** if you want to move channels within favorite TV lists.
2. Set the **Channel List** option to the favorite list you want to modify.
3. Set the **Modify** option to **Move Channels**.
4. Press the OK button.
5. In the **Move Channels** screen, highlight a channel you want to move using the ▲ / ▼ or 0–9 buttons.
6. Press the OK button. The channel you want to move is marked by the ▲▼ icon .
7. Press the ▲ / ▼ buttons until you find the position in which you want the selected channel to be placed.
8. Press the OK button to move the selected channel to the position you have just chosen.
9. Press the BACK button to save the new order and return to the **Channel Manager** screen.

Please note that the selected channel (the one you want to move) is inserted in the chosen position and the channels are renumbered so that the numbering stays continuous.

Skip Channels

In the **Skip Channels** submenu you can select the channels you want to skip when changing channels by means of + CH − buttons or when browsing in the **Channel Banner**. You can, however, tune to the skipped channels by entering their numbers using the number buttons or selecting them from the **Channel List** window. In order to select channels you want to skip, follow the procedure below:

Skip Channels

1. Set the **Mode** option to **Radio** if you want to skip channels from a Radio list, or to **TV** if you want to skip channels from a TV list.
2. Select the list which contains the channels you want to skip from the **Channel List** option.
3. Set the **Modify** option to **Skip Channels**.
4. Press the OK button to display the channels of the chosen list.
5. Using the ▲ / ▼ buttons select the channel you want to skip and press the OK button. The ↩ icon will appear next to the selected channel. If you want to restore the

skipped channel, highlight the skipped channel and press the OK button again. The icon will disappear.

6. After you have selected all the channels you want to skip, press the BACK button to save the information.

Hide Channels

In the **Hide Channels** submenu you can select the channels you want to hide from the **All TV** or **All Radio** list. If you hide channels, you will not be able to tune to these channels as long as you restore them. In order to select channels you want to hide, follow the procedure below:

CHANNEL MANAGER
i-CAN
All TV - HIDE CHANNELS
12:58 · Mon 13 Jul 09
1 channel f
2 channel b
3 channel c
Please note that you will not be able to watch programs on hidden channels. Also, reminders will be canceled.
Press OK to confirm the hide operation or press BACK to return.
OK BACK

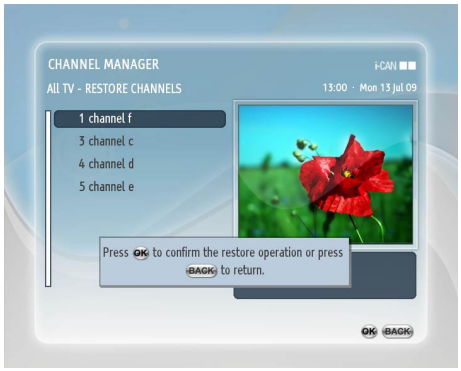
Hide Channels

1. Set the **Mode** option to **Radio** if you want to hide channels from the All Radio list, or to **TV** if you want to hide channels from the All TV list.
2. Select the **All TV** or **All Radio** list from the **Channel List** option.
3. Set the **Modify** option to **Hide Channels**.
4. Press the OK button to display the channels of the chosen list.
5. Using the ▲ / ▼ buttons select the channel you want to hide and press the OK button. The confirmation window will appear.
6. Press the OK button to confirm your choice. The channel you have selected will disappear from the list.
7. After you have selected all the channels you want to hide, press the BACK button to save the information.

If you want to restore the hidden channels, use the **Restore Channels** option under **Channel Manager**.

Restore Channels

In the **Restore Channels** submenu you can bring back the channels you have previously hidden from the **All TV** or **All Radio** list. In order to select channels you want to restore, follow the procedure below:


CHANNEL MANAGER
i-CAN
All TV - RESTORE CHANNELS
13:00 · Mon 13 Jul 09
1 channel f
3 channel c
4 channel d
5 channel e
Press OK to confirm the restore operation or press BACK to return.
OK BACK

Restore Channels

1. Set the **Mode** option to **Radio** if you want to restore channels from the All Radio list, or to **TV** if you want to restore channels from the All TV list.
2. Select the **All TV** or **All Radio** list from the **Channel List** option.
3. Set the **Modify** option to **Restore Channels**.
4. Press the OK button to display the channels of the chosen list.

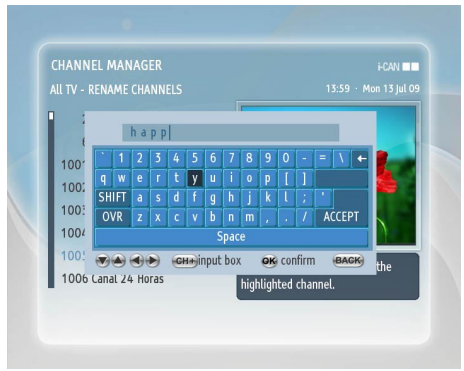
5. Using the ▲ / ▼ buttons select channels you want to restore and press the OK button. The confirmation window will appear.
6. Press the OK button to confirm your choice. The channel you selected will disappear from the list of the hidden channels. You can also press the LIST button to restore all the hidden channels.
7. After you have selected all the channels you want to restore, press the BACK button to save the information.

Rename Channels

In the **Rename Channels** submenu you can change names of channels within a selected channel list.

In order to rename channels, follow the procedure below:

1. Set the **Mode** option to **Radio** if you want to rename channels from a Radio list, or to **TV** if you want to rename channels from a TV list.
2. Select the list which contains the channels you want to rename from the **Channel List** option.
3. Set the **Modify** option to **Rename Channels**.
4. Press the OK button to display the channels of the chosen list.



Rename Channels

5. Using the ▲ / ▼ or number buttons, select the channel you want to rename and press the OK button to display the virtual keyboard.
6. Type in a new name of the channel.

Navigation of the virtual keyboard

In the Channel Name Box, the name of the selected channel is displayed. Press the ◄ / ► and ▲ / ▼ buttons to shift the focus within the keyboard. Press the OK button to select the highlighted letter. The selected letter will appear in the Channel Name Box.

Press the + CH button to be able to move the focus within the Channel Name Box.

Use the ◄ / ► buttons to move the focus within the channel name. Press the + CH button again to move the focus to the keyboard.

After you have typed in the desired name, highlight the ACCEPT key on the keyboard and press the OK button.

Actions of the virtual keyboard keys

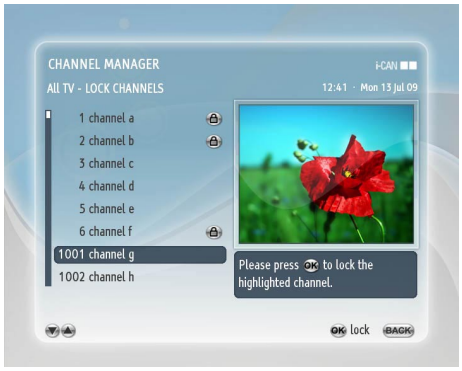
Key	Pressing OK when this key is highlighted
←	deletes the character which is to the left of the character currently highlighted.
ACCEPT	accepts the entry in the Channel Name box as the name of the selected channel and returns to the **Rename Channels** screen.
SHIFT	changes the lower case letters into capital letters and number keys into symbols.
INS	changes the overwrite mode into the insert mode.
OVR	changes the insert mode into the overwrite mode.
standard	restores the signs of the standard keyboard.
Italiano	changes some of the keyboard signs into characters typical of Italian.

Lock Channels

In the **Lock Channels** submenu you can select the channels you want to lock. Once you have locked a channel, you will have to enter the PIN code every time you attempt to watch this channel.

In order to select channels you want to lock, follow the procedure below:

1. Set the **Mode** option to **Radio** if you want to lock channels from a Radio list, or to **TV** if you want to lock channels from a TV list.
2. Select the list which contains the channels you want to lock from the **Channel List** option.
3. Set the **Modify** option to **Lock Channels**.
4. Press the OK button to display the channels of the chosen list.
5. Using the ▲ / ▼ buttons, select the channel you want to lock and press the OK button. The 🔒 icon will appear next to the locked channel. If you want to unlock a channel, highlight it and press the OK button again. The 🔒 icon will disappear.
6. After you have marked all the channels you want to lock, press the BACK button to save the information.



Lock Channels

*The default PIN code is 1234. If you want to change the code, you can do it in the **Change PIN Code** screen under **For Parents**.*

List Organization

In the **List Organization** submenu you can **Rename**, **Reorder**, **Add** or **Delete** your favorite lists.In the **Main Menu**, after highlighting the **List Organization** item and pressing the OK button, the **TV List Organization** window will be displayed. This window contains favorite lists you can manage. If you want to manage Radio lists, press the TV/♫ button to change the mode. If you press this button once again, the mode will return to TV mode.

List Organization

In order to **Delete** a list, follow the procedure below:

1. Using the ◄ / ► buttons select the **Delete List** command.
2. Using the ▲ / ▼ buttons highlight the list you want to delete and press the OK button. The list will disappear from the **List Organization** window.

*In order to add or delete channels to/from a list, go to the **Channel Manager** under the **Main Menu**.*

In order to **Add** a list, follow the procedure below:

1. Using the ◄ / ► buttons select the **Add List** command.
2. Press the OK button.

   The added list will automatically appear in the **List Organization** window.

You can create up to 6 favorite TV lists and up to 6 favorite Radio lists.

In order to change the order of channel lists (**Reorder**), follow the procedure below:

1. Using the ◄ / ► buttons select the **Reorder List** command.
2. Highlight the list you want to move to another position and press OK. The ▲▼ icon will appear next to the name of the selected list.
3. Using ▲ / ▼ buttons move the list to the desired position.
4. Press OK to make the list stay in the new position. When the list is moved to the new position, the ▲▼ icon will disappear.

You will see the new order of the lists when you press the LIST button and change the currently displayed list with ◄ / ► buttons.

In order to **Rename** a list, follow the procedure below:

1. Using the ◄ / ► buttons select the **Rename List** command.
2. Using the ▲ / ▼ buttons highlight the list you want to rename and press the OK

button to display the virtual keyboard.

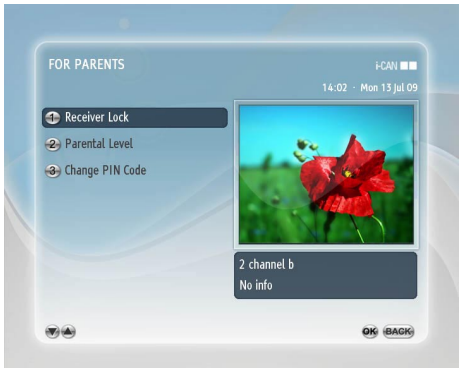
3. Type in a new name of the list. For more information on how to navigate the virtual keyboard, see **page 31**.

For Parents

By means of the **For Parents** settings, you can block programs which you, for example, find inappropriate for your children.

Please note, that **Parental Level** and **Lock Channels** settings take effect only when **Receiver Lock** is switched to **Yes**. If **Receiver Lock** is set to **No**, access to all channels, programs and all of the decoder's functions is unlimited.

Once **Receiver Lock** has been set to **Yes**, you will need to enter the PIN code every time you want to watch locked programs and/or channels. The default PIN code is 1234, but you can easily change it using the **Change PIN Code** option.



For Parents

To gain access to the **For Parents** menu for the first time, you need to enter the PIN code (1234) since, by default, the **Receiver Lock** option is set to **Yes**. In the **For Parents** menu you can:

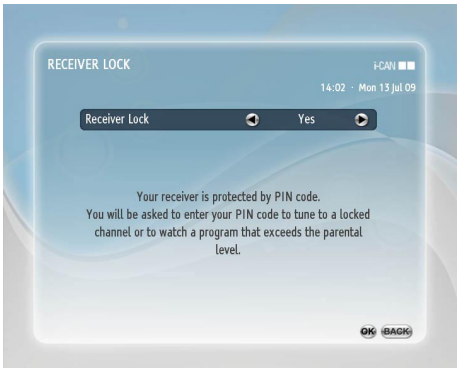
- activate or deactivate the blockade of the receiver
- set the age level according to which programs will be locked
- change your PIN code

Receiver Lock

To open the **Receiver Lock** window, highlight the **Receiver Lock** item under the **For Parents** submenu and press OK.

The **Receiver Lock** screen contains only the **Receiver Lock** option. If this option is set to **Yes**, performing some actions is protected by the PIN code, e.g.

- getting access to the **For Parents** submenu
- tuning to locked channels
- tuning to parentally locked programs (locked by means of **Parental Level**)
- setting every **Recording Timer** or a **Recording Reminder** for a program broadcast on a locked channel or program which content is block by the **Parental Level** settings
- locking channels under **Channel Manager**


RECEIVER LOCK
14:02 · Mon 13 Jul 09
Receiver Lock
Yes
Your receiver is protected by PIN code.
You will be asked to enter your PIN code to tune to a locked channel or to watch a program that exceeds the parental level.
OK BACK

Receiver Lock

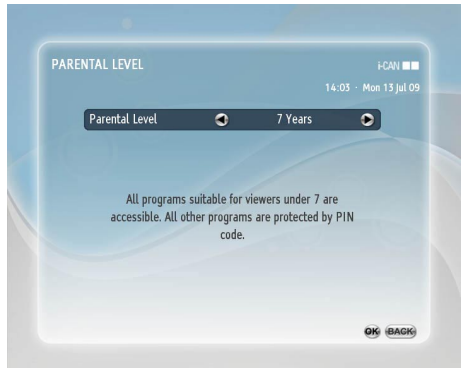
If you switch the **Receiver Lock** option to **No**, the operations listed above are no longer protected by the PIN code and thus access to all the decoder's functions is unlimited.

Parental Level

To open the **Parental Level** window, highlight the **Parental Level** item under the **For Parents** submenu and press OK.

This screen lets you define the age level according to which programs will be blocked. It means that viewing of every program which rating exceeds the defined age level will require entering of the PIN code. For example, if you set **Parental Level** to 7 Years, all programs unsuitable for viewers under 7 years old will be protected by the PIN code.

In order to change **Parental Level**, press the ◄ / ► buttons until the age level you are interested in is displayed. Then, press the OK button to confirm your setting.


PARENTAL LEVEL
i-CAN
14:03 · Mon 13 Jul 09
Parental Level
7 Years
All programs suitable for viewers under 7 are accessible. All other programs are protected by PIN code.
OK BACK

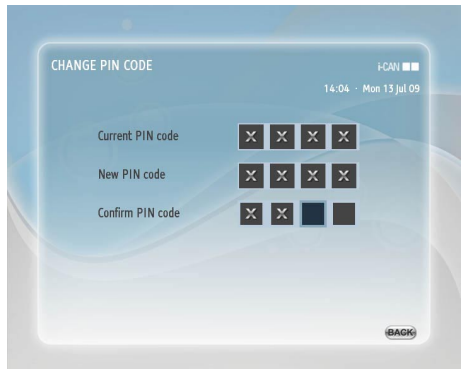
Parental Level

*If you want to lock whole channels, you can do this in the **Channel Manager** submenu.*

Change PIN Code

To open the **Change PIN Code** window, highlight the **Change PIN Code** item under the **For Parents** submenu and press OK.

In the **Change PIN Code** screen you can change your PIN code. To do that, using the 1 2 3 4 5 6 7 8 9 0 keys, enter the current PIN code once, and a new PIN code twice.

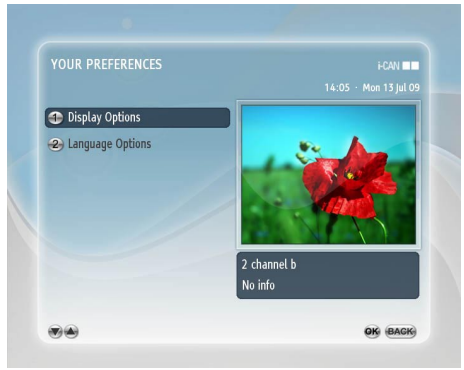


Change PIN Code

As a new PIN code, it is advisable that you choose a number which you can easily remember. The default PIN code is 1234.

Your Preferences

By means of the **Your Preferences** settings you can change **Display** and **Language Options**. To get access to the **Your Preferences** screen, highlight the **Your Preferences** item under the **Main Menu** and press OK.

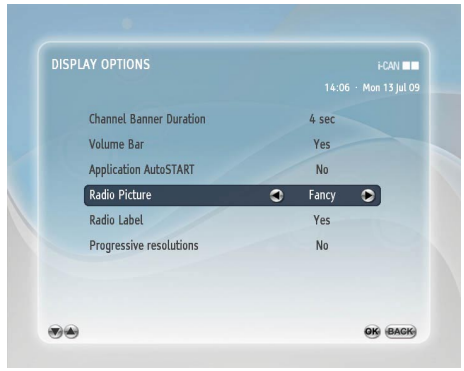


Your Preferences

Display Options

To open the **Display Options** window, highlight the **Display Options** item under the **Your Preferences** submenu and press OK.

The **Display Options** screen allows you to define some options related to displaying information on the screen. Using the ▲ / ▼ buttons highlight the option you want to change. Use the ◄ / ► buttons to change values of the highlighted option. To confirm the settings, press the OK button.



Display Options

Channel Banner Duration - defines how long the channel information remains displayed after tuning to another channel.

Volume Bar

- **Yes** - When you press the + VOL − buttons to adjust the volume, the volume bar is displayed.
- **No** - When you press the + VOL − buttons to adjust the volume, the volume bar is not displayed.

Application AutoSTART

- **Yes** - External applications available on a particular channel start automatically. It may, however, happen that some application do not have an 'autostart' option assigned and they will not start automatically (regardless of the decoder's setting).
- **No** - External applications available on a particular channel are not launched automatically.

Radio Picture

- **Black** - When you tune to a Radio channel (by pressing TV/♪), the TV screen is black.

- **Fancy** - When you tune to a Radio channel (by pressing TV/♪), a picture is displayed on the TV screen.

Radio Label

- **Yes** - When the decoder is tuned to a Radio channel, the label with the radio name is displayed on the screen.
- **No** - When the decoder is tuned to a Radio channel, the label with the radio name is not displayed on the screen.

Progressive Resolutions

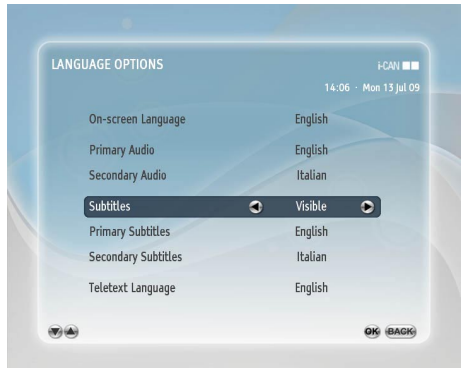
- **Yes** - To **Video Resolution** you can assign the following values (resolutions): 1080i, 720p, 576p and 576i.
- **No** - To **Video Resolution** you can assign the 1080i and 576i values (resolutions).

Language Options

The **Language Options** screen allows you to select options concerning preferred languages.

To open the **Language Options** window, highlight the **Language Options** item under the **Your Preferences** submenu and press OK.

Using the ▲ / ▼ buttons highlight the option you want to change. Use the ◄ / ► buttons to change values of the highlighted option. To confirm the settings, press the OK button.



Language Options

On-screen Language – specifies the language in which all the menus and screens are displayed.

Primary Audio – specifies the first choice of language you would like to use for your audio soundtracks.

Secondary Audio – specifies the second choice of language you would like to use for your audio soundtracks (when the **Primary Audio Language** is not available).

Subtitles – specifies whether subtitles are displayed (if available).

Primary Subtitles – specify the first choice of language you would like to use for your subtitles.

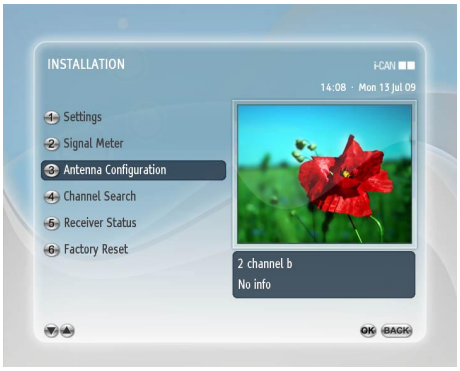
Secondary Subtitles – specify the second choice of language (when the **Primary Subtitles** are not available) you would like to use for your subtitles .

Teletext Language – specifies the language of teletext.

Installation

The **Installation** submenu allows you to:

- configure TV, system and modem settings
- update or reinstall channel lists
- check the signal quality
- get some basic information concerning the system and loader
- download new software versions if available
- restore all factory settings of your decoder



Installation

In order to change the **Installation** settings, use the **"Point and Select"** rule.

Settings

The **Settings** submenu consists of following items: **TV Settings**, **System Settings**, **Energy Saving Settings**, **Modem Settings** and **Modem Diagnostics**.

Settings

TV Settings

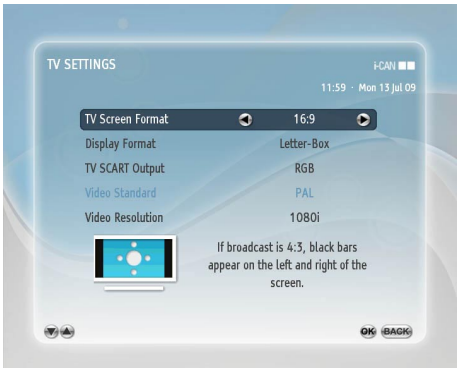
The **TV Settings** screen contains the following options:

TV Screen Format – The **TV Screen Format** option should be set to correspond with the format of your TV screen. The default TV Screen format is 4:3.

Display Format - If your TV screen format is different than the format of the program currently broadcast, you can choose the way the picture is 'transformed'. You can choose between **Full Screen**, **Letter-Box** and **Pan-Scan**.

TV SCART Output – If your TV does not support the **RGB** color model, you can switch to **CVBS**.

Video Standard - This option informs you about the video standard supported by the decoder.

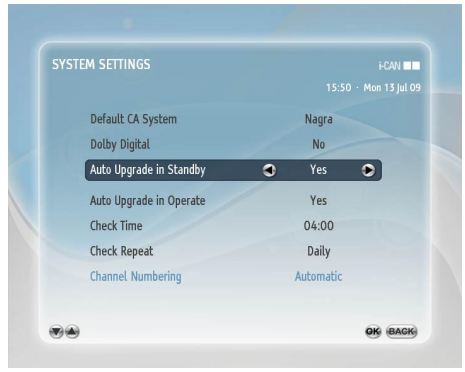

TV SETTINGS
11:59 · Mon 13 Jul 09
TV Screen Format 16:9
Display Format Letter-Box
TV SCART Output RGB
Video Standard PAL
Video Resolution 1080i
If broadcast is 4:3, black bars appear on the left and right of the screen.
OK BACK

TV Settings

Video Resolution - This option allows you to change the resolution.

System Settings

The **System Settings** screen contains some of the configuration parameters you may want to change. They are as follows:



System Settings

Default CA System – This option is inactive.

Dolby Digital - If you want to enjoy the surround sound and you are using a **Dolby Digital** receiver (e.g. Home Cinema system), set the **Dolby Digital** option to **Yes**.

Note: If you set this option to **Yes**, the sound will only be available on the S/PDIF and HDMI outputs.

Auto Upgrade in Standby – If this option is set to **Yes**, and you switch your decoder into standby mode, after about one hour, the decoder checks whether a new software version is available. If a new software version is detected, the upgrade is carried out automatically.

If you set the **Auto Upgrade in Standby** option to **No**, the upgrade process is not carried out automatically and you will be informed about the upgrade possibility once you have switched on your decoder.

Auto Upgrade in Operate – If this option is set to **Yes**, the decoder checks for new versions of software also in operate mode. When the process of checking is initiated, you are informed about it by means of suitable messages appearing on the screen. You can define the time and frequency of these checks by means of the **Check Time** and **Check Repeat** options.

Check Time – This option allows you to specify the time when you want your decoder to check for upgrades in operate mode.

Check Repeat – This option allows you to choose how often you want your decoder to repeat the checks for upgrades in operate mode.

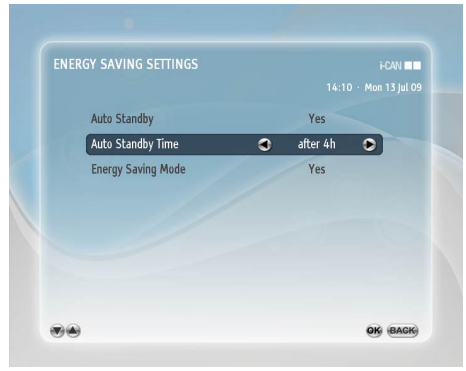
Channel Numbering – Displays information about the way channels are numbered. This message is for the informative purpose only and it cannot be modified.

Energy Saving Settings

To help preserve the environment, this decoder has been designed with energy saving features such as **Auto Standby** and **Energy Saving Mode**.

Auto Standby

By default, the **Auto Standby** option is set to **Yes** and the **Auto Standby Time** option is set to 4 hours. This means that the decoder is set to enter standby mode after 4 hours of idle time. 60 seconds before entering standby mode, the decoder will display the message presented in the picture on the right. Pressing any button dismisses the message and viewing can be continued. If no button is pressed within 60 seconds, the decoder enters standby mode automatically.



Energy Saving Settings

By means of the **Auto Standby Time** option, the decoder can be set to put itself into standby mode after up to 8 hours.

Energy Saving Mode

By default, the **Energy Saving Mode** is set **Yes**. This means that whenever possible, the decoder enters a low energy consumption mode when in standby.

Consequently, it may need up to 90 seconds to turn back on from standby.

Actions that prevent the decoder from entering low energy consumption mode are, for example, recordings or new channels search.

Modem Settings

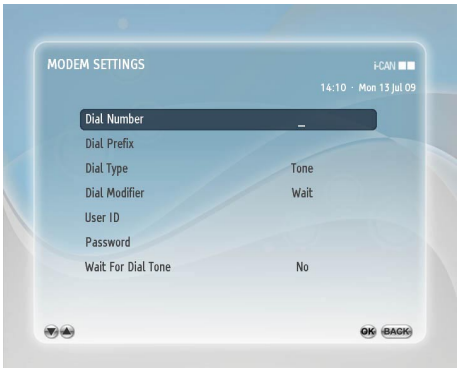
Your decoder is equipped with an internal modem which is a return channel allowing you to use interactive services such as voting, t-commerce or playing games.

To set up your modem parameters, use the number buttons of your remote control and the buttons which are presented at the bottom of the screen.

The virtual keyboard can be opened by pressing the (red) button on your remote control.

If you want to delete characters in the entry box, highlight the character you want to delete by pressing the / buttons and press the (blue) button.

Once you have set up your modem, press OK to confirm the settings.



Modem Settings

To learn how to use the virtual keyboard, see **page 31**.

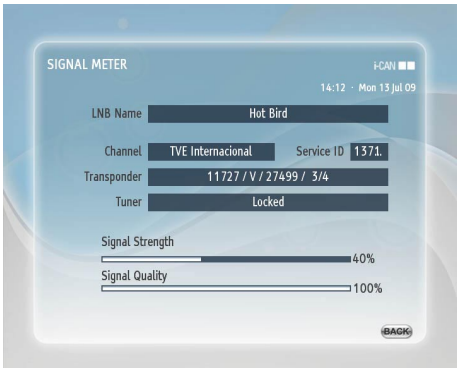
Modem Diagnostics

The **Modem Diagnostics** screen allows you to check the modem connection. If any problems are detected, an appropriate message is displayed. When no problems are detected, you can check if the modem is properly connected by following the instructions displayed on the screen.

Signal Meter

This screen displays the signal strength and quality.

The displayed data concerns the currently tuned channel.

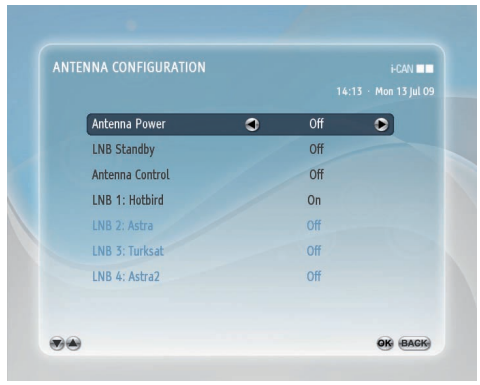


Signal Meter

Antenna Configuration

In the **Antenna Configuration** screen you can adjust the settings of your antenna.

When changing the settings, please remember that at least one LNB must be assigned to Hotbird Satellite.



Antenna Configuration

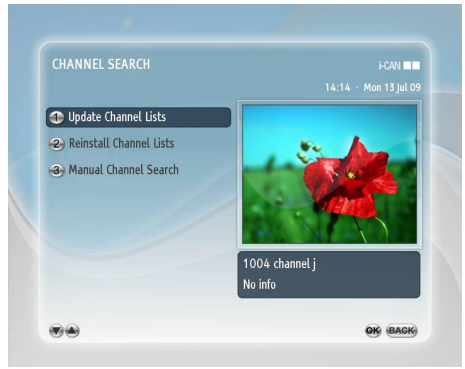
Channel Search

In the **Channel Search** window you can update and reinstall channel lists as well as search for channels manually.

If you select the **Update Channel Lists** option, your favorite channel lists remain intact and all the newly found channels are added to the **All TV/Radio** list.

If you select the **Reinstall Channels Lists** option, the existing channels are replaced with newly found ones. It also means that all the changes made in **List Organization** and **Channel Manager**, e.g. channel locks or favorite lists content are canceled.

Please note that if you choose the **Reinstall Channels Lists** option, you will be ask to choose the way channels are to be numbered. For more information, see **page 13**.



Channel Search Menu

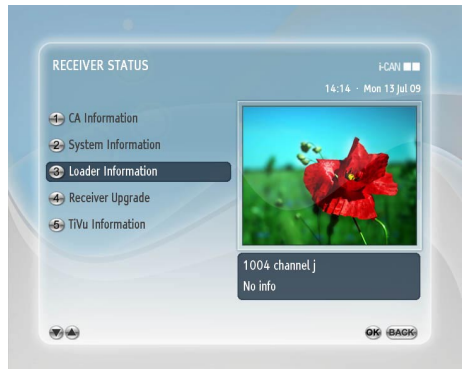
By means of the **Manual Channel Search** you can look for channels broadcast on different frequency range than the default one.

Receiver Status

The **Receiver Status** submenu gives you access to **CA Information**, **System Information**, **Loader information** and **TiVu Information**.

The **Receiver Upgrade** function allows you to initiate the process of downloading of the newest software version for your decoder, if available.

Under the **TiVu information** you can find your Smart Card Number and CA version.

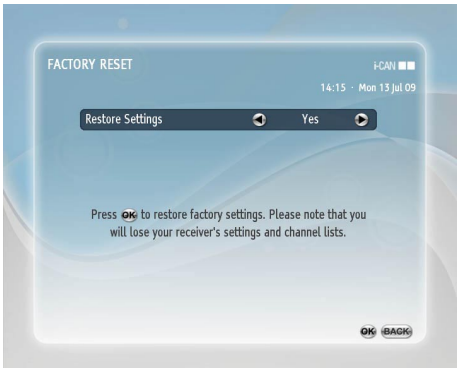


Receiver Status

Factory Reset

Performing **Factory Reset** causes that all the decoder's default (factory) settings are restored. It means that all the changes you have made after turning the decoder on for the first time are canceled.

If you select **Yes** in the **Factory Reset** screen and press OK, the factory settings of your decoder are restored and the first-time installation process (described in the **'How to Set up Your Decoder'** chapter) is started.


FACTORY RESET
14:15 · Mon 13 Jul 09
Restore Settings
Yes
Press OK to restore factory settings. Please note that you will lose your receiver's settings and channel lists.
OK BACK

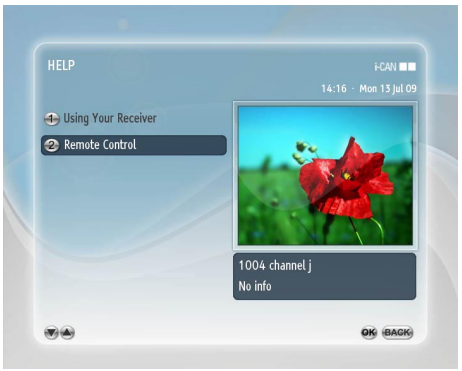
Factory Reset

Help

The **Help** menu provides you with some basic information on actions of the remote control buttons as well as information concerning the overall functionality of the decoder.

If the upgrade of the decoder's software has been performed, you can learn about the new features in the **What is New?** window.

*Please note that before the download of new features, the **What is New?** option is invisible.*



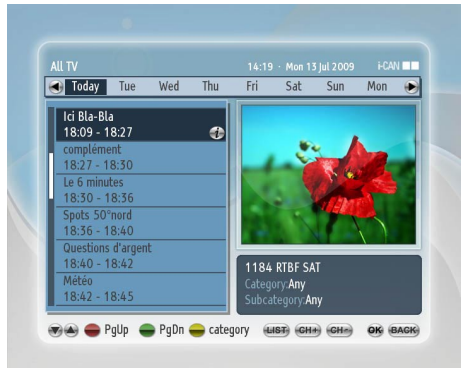
Help

Electronic Program Guide

The **Electronic Program Guide** (**EPG**) provides you with an on-screen TV schedule and information about current program content. Please bear in mind that this information is available only if provided by the broadcaster.

To access the Electronic Program Guide press EPG key on your remote control. Use the ◄ / ► buttons to navigate through the days of the week and the ▲ / ▼ buttons to scroll through the program list for a particular day.

Using the (red) and (green) keys lets you scroll the whole page up or down.



EPG

Pressing the (yellow) key allows you to select the category/subcategory of the programs to be displayed.

In the **EPG** you can also set **Viewing** or **Recording Reminders**; to learn how to do that see **page 26**.

Before Requesting Service

Before requesting service for your decoder, please check the table below for a possible cause of the problem you are experiencing. We suggest you consult "Support" section at our site www.i-can.tv. Some simple checks or a minor adjustment may eliminate the problem and restore the proper operation. The most common problems that arise are related to cable connections. Make sure that your decoder is properly connected. To ensure that all the cables are in their place, disconnect and connect them again. If none of the remedies indicated in the table below solve the problem, consult your vendor.

Installation issues	
Symptom	Remedy
Your decoder does not find channels.	• Make sure that your satellite dish is directed towards the Hot Bird Satellite. • If you are using DiSEqC, make sure that the correct LNB is set to receive the signal from the Hot Bird satellite. • Check that the satellite dish cable is properly connected. • If you cannot resolve the problem easily, you may need to have your satellite dish and installation tested by a professional.

General issues	
Symptom	Remedy
The standby indicator on the decoder's front panel does not light up.	• Check that power is available at the wall socket. After you have plugged the power brick into a wall socket, the green LED on the power brick should illuminate green. • Check that all the cables are correctly connected and the decoder is switched on. Disconnect these cables, and then connect them again to ensure they are in place.
The standby indicator on the decoder's front panel is red.	Your decoder is in standby, press the button on your remote control.
Your remote control fails to operate your decoder.	• Make sure your decoder is in the operate mode. • Make sure that you are pointing your remote control at the decoder's front panel. • Check the batteries in your remote control. • Make sure that the decoder is not exposed to direct sunlight. • There may be a temporary transmission error, or your decoder has lost some of its software settings. Switch off your decoder at the power source and switch it on again after a few seconds.
No program broadcast has been recorded on your VCR.	• Check the connection between the decoder and VCR. • Make sure your VCR is set properly.

Audio & video issues	
Symptom	Remedy
The picture on your TV screen changes color.	• Check that all the cables are correctly connected. Disconnect the cables, and then connect them again to ensure they are in place. • Switch your decoder off and switch it on again after a few seconds. • If the problem persists, contact your vendor.
Blocks appear in the picture on the screen.	The signal is too weak or defective due to e.g. bad weather conditions. Try to adjust the position of your aerial or wait for the signal to be re-established.
Your TV is blank or "snow" appears on the screen.	• Make sure that your TV is set to receive the signal from the appropriate input. • Your decoder may be in standby mode (the LED on the front panel illuminates red). Press the button to turn on your decoder. • Some of the connections may have worked loose. Check that all the connections are made properly and the power supply unit is connected to a 230V AC wall socket. • Turn the decoder off and after a few seconds turn it on again.
The picture appears to be either "squashed" (form side to side or top to bottom) or cut off at the top and bottom of the screen.	The Display Format in the **Options** menu has not been set to correspond with your TV. Try a different setting.

There is no sound.	• Check whether the Mute mode is active. If so, use the remote control of your decoder and/or your TV set to cancel the Mute function. • Check whether the volume on your decoder or TV is sufficiently high. Press the volume buttons on the remote control of your decoder or of your TV set. • Check that the decoder is properly connected to your TV or your sound system. Some connections may have worked loose.
There is no stereo sound on your Hi-Fi system.	Check whether the cables between your Hi-Fi system and right & left audio outputs on the back panel of your decoder are connected correctly.

Technical Specification

System:
Front-end: DVB-S
DiSEqC 2.0
Input tuning range 950 to 2150 MHz
Powered by Sti5167 CPU
FLASH memory: 4 MB + 16 MB
RAM memory: 64 MB

Connectivity:
Antenna In
TV SCART
2xRCA (audio stereo)
HDMI Output
S/PDIF Output
V.90 Modem port
DC input from external power supply
2 Smart Card Slots

Video:
MPEG-2 MP@ML
Resolution modes: 576i, 576p, 720p, 1080i
Video rate: 0,5 – 15 Mbit/s
Formats: 4:3, 16:9 with Pan & Scan, Letterbox
Graphics: 16 bit OSD, fino a 720 x 576 pixels

Audio:
MPEG-1 audio layer I & II, Mono, Dual Mono, Stereo, Joint Stereo, AC-3 pass through S/PDIF

Conditional Access System:
Support for Conax and Nagra

Software:
DVB MHP 1.0.2
Loader for Over The Air [OTA] software upgrades
Teletext on VBI, DVB subtitles
Set of applications including among other things: Channel Banner, Now/Next Navigator, Parental Control

Accessories:
Remote control unit with batteries
External power supply unit: 12V DC, 1.5A
Set of cables
Getting Started
Signal Splitter

Reliability & Compliance:
DVB compliant
Quality according to EU norms, CE marking
MTBF: 50 000h

Energy Consumption:
In Operate Mode: 9.0 W
In Active Standby Mode: 4.5 W
In Passive Standby Mode: 0.7 W

General Data:
Dimensions: 23,5w x 17,5d x 4,2h cm
One LED (On / Standby / RCU key pressed)

Weight:
Decoder: 560g
Accessories: 375g
Packaging: 410g

Default PIN code: 1234

This specification is subject to improvement and change without notice.

IMPORTANT INFORMATION FOR THE END USER RELATED TO THE WEEE DIRECTIVE 2002/96/CE AND 2003/108/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL REGARDING WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE).

The crossed-out wheeled bin symbol attached to this product means that the product is covered by the European Directive "WEEE" 2002/96/EC and its later amendment 2003/108/EC.

To protect the natural environment, for the future disposal of this product, please act according to your local rules and do not dispose of your old product with your normal household waste.

It is necessary to return the waste to a WEEE collection point licensed by Public Administration. It is also possible to return the item to a dealer if you are buying similar equipment.

The above directive states that economic penalties will be imposed for an irregular disposal of WEEE (Waste of Electric & Electronic Equipments).

CONFORMITY DECLARATION

The CE symbol placed on this MHP digital satellite decoder i-CAN 1110 SH guarantees the conformity to European Directives::

- 2004/108/EC - Electromagnetic Compatibility Directive
- 2006/95/EC - Low Voltage Directive
- 2002/95/EC - RoHS EU-Directive
- 2002/96/EC and 2003/108/EC - WEEE EU-Directives
- 93/68/EEC - CE marking
- EN 50419:2006 - WEEE marking

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ADB reserves the right to modify the design of the Set-Top Box without any notice.